									DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-	CONFOR	MANCE / UP	DATE	QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DE	PARTMENT/	PROCESS	
Part No.					Rework Scrap Use-as-is Work Order Update	- 1	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other
Root				Descri	iption of work order update	Initial	Ac	ction	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	cription	Date	Verification	QC Inspector
oc/Data											
quip/Tooling											i
perator											į
Naterial											
etup											
ther											
rocess											
upplier											
raining							1				

Landing Gear General Bend Grain Ovalized Pressure/Forced Bending BOM/Route Centre Not Concentric to O/S Over/Under tolerance Temperature/Cure Hardware Broken/Damaged Inspection Incomplete Part Incorrect Cracks Weld Crushed/Crimped. Wrong Stock Pulled Instructions Incomplete/Unclear Part Lost/Missing Burrs Cuffs Maintenance Part Moved Contamination Heat Treat Positioned Wrong Countersink Mislabeled Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Other Drill Holes Ripples in Bend Offset Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Wave/Twist in Tube Folio Outside Dimensions

FAULT CATEGORY

Unapproved

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde				*9537	70*							Page 2	
Item ID: Revision ID: Item Name:	D3025-1 Beam			Accept	*N900	040	100) *	Setup	Start Stop	171.	S1* S2*	
Start Date: Required Date: Reference:	1/14/13	Start Qty: 6.00 Req'd Qty: 6.00	*6* *6*		Cust Item I Customer:	D:					IVI		
Approvals:		n:		CD C (III)		ate:		1	Run	Start Stop	*NI *NI	R1* R2*	
Sequence ID/ Work Center II 130 *130* Brake NC Brake NC	D	Operation Description Bend as per dwg NC BRAKE Memo		Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Qty		Reject Number	Insp. Stamp Blor	
131 *131* QC Quality Control		QC5- Inspect part compl	eteness to step on W/O	0.00 SMP 0.00 13.2 2) }			6					
140 *14 HandFinish		Chemical Conversion Co	oat per QSI005 4.1	0.00				6		JA.	713:0	2-26	

Hand Finishing

												DQA:	Date:			
NCR:	Yes	/ No					WORK ORDER NON-C	10:	NFOR	MANCE / UPD	ATE					
						_						QA Closed:	Date:			
Vork Ord	er:						DISPOSITION				AGAINST DE	DEPARTMENT/PROCESS				
Part NCR							Rework Scrap Use-as-is Work Order Update		Thern	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	Proc Rec/Stor	Engineering Quality Other			
Root					Desc	rip	tion of work order update		nitial	Acti	on	Sign &				
Cause		Date	Step	Qty		-	r Non-conformance	Ch	ief Eng	Descri	ption	Date	Verification	QC Inspector		
oc/Data																
quip/Tooling perator					,											
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etup																
ther														:		
rocess																
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raining	\vdash						,						•			
napproved	\vdash															
		<u> </u>					F	AUL	T CATE	GORY				·		
Land	ing (Gear					General				-					
		Bending					Bend		Grain			Ovalized		Pressure/Forced		
		Centre No	t Concer	ntric to (o/s		BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure		
		Cracks					Broken/Damaged		Inspecti	on Incomplete		Part Incorred	ct 🗌	Weld		
		Crushed/Crimped.					Burrs		Instruct	ions Incomplete/U	nclear	Part Lost/Mi	ssing	Wrong Stock Pulled		
		Cuffs					Contamination		Mainte	nance		Part Moved		-		
		Heat Trea	t				Countersink		Mislabe	led		Positioned V	Vrong			
		Inspection	Strip in	Tube			Cut Too Short		Misread	I		Power Loss/	Surge	Other		
		Ripples in	Bend				Drill Holes		Offset					·		
		Torque W	aves in E	xtrusion	, [Drawing		Out of (Calibration						
	Turning Sequence						Finish		Out of	Sequence						

Outside Dimensions

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Ord January-09-13					*	953	70)*							Page 3	,
Item ID: Revision ID: Item Name:	D3025-1 Beam			A	ccept		*	1 900	040	100)*	Setup	Start Stop	171.	S1* S2*	
Start Date: Required Date: Reference:	1/14/13 : 1/22/13	Start Qty: 6.00 Req'd Qty: 6.00		*6* *6*				Cust Item II Customer:	D:							
Approvals:	Process Pl	an:	Date:		Toolin SPC (Y	_			ite:			Run	Start Stop	"1/1	R1* R2*	
Sequence ID/ Work Center I 150 *150* QC Quality Control 160 *160* Packaging Packaging	D	Operation Description QC3- Inspect Part Finish Memo Identify as per dwg & Stock Memo	k Location:	17	0.00	Up/ 1 Hours SM B.Q.	P 26	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	·
170 *170* QC Quality Control		QC21- Final Inspection - \ Memo	Work Order F	Release	0.00							<u>. †</u>	3/3	2/24 M4 13-	64	26

NCR: Yes / No	WORK ORDER NON-CONFORMA	ANCE / UPDATE		
		QA Closed:	Date:	
	DICDOCITION	A CAINICE DEDARENT/DDC	CECC	

										QA Closed.	Dute.			
Work Orde	r:				DISPOSITION		AGAINST DEPARTMENT/PROCESS							
					Rework		S	skid-tube	Crosstube		Water Jet	Engineering		
Part N	o.				Scrap		Machining Small		Small Fab	Pro	d. Eng. Coor.	Quality		
		,			Use-as-is	l TI	hermo	oforming	Finishing		e/Packaging	Other		
NCR N	lo				Work Order Update		L	.arge Fab	Composite		Supplier			
Root					ption of work order update	Initi			tion	Sign &				
Cause	Date	Step	Qty		or Non-conformance	Chief	Eng	Desci	ription	Date	Verification	QC Inspector		
Doc/Data														
Equip/Tooling														
Operator														
Material	_													
Setup	_													
Other														
Process														
Supplier														
Training	_													
Unapproved			<u> </u>											
					F <i>F</i>	AULT C	ATEG	ORY						
Landin	g Gear				General	_			<u></u>	•				
ļ	Bending				Bend	∐ Gra	ain			Ovalized		Pressure/Forced		
	Centre I	Not Conce	ntric to	o/s	BOM/Route	Hai	rdware	e		Over/Under	tolerance	Temperature/Cure		
<u>[</u>	Cracks				Broken/Damaged	Ins	pectio	r: Incomplete		Part Incorred	ct	Weld		
į	Crushed	/Crimped			Burrs	lns	tructio	ons Incomplete/l	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled		
	Cuffs				Contamination	Má	ainter	nance		Part Moved				
[Heat Tro	eat			Countersink	∐_Mi	slabele	ed		Positioned V	Vrong	_		
	Inspecti	on Strip in	Tube		Cut Too Short	☐ Mi	sread			Power Loss/	Surge	Other		
	Ripples	in Bend			Drill Holes	Off	fset							
	Torque	Waves in E	extrusio	n [Drawing	Ou	it of Ca	alibration						
	Turning	Sequence			Finish	Ou	it of Se	equence			-			
Ĩ	Wave/Twist in Tube				Folio	Ou	Outside Dimensions							

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Picklist Print

January-09-13 11:24:37 AM

Work Order ID:

95370

Parent Item:

D3025-1

Parent Item Name:

Beam

Start Date: 1/14/13

Required Date: 1/22/13

Page 1

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP C01.10.26Added Bending as per Drawing. SM THIKNESS CHG DD VERF-EC

IPP REV:D 11.05.16 MAT'L

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure		Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.080 2024-T3 .080 sheet		Purchased	No		-	100	sf	412.9400	0.75	4.7368422		Tn	113-2-
2024-13 .080 sneet				Location		Loc Qty	Lo	c Code	<u> </u>			<u></u>	
				MAT022		412.94							
				10541	1	12							
				10942	24	8							
				11379	96	10							
				11402	25	3.4			-A				
				11739	92	38.2						•	
				11818	30	54							
				11911	17	41.4							
				12098	39	79.34							
				12321	17	166.6			193	<i>52</i> ,13			

												DQA:	Date:	
NCR:	/es	/ No					WORK ORDER NON-C		NFORI	MANCE / UPDATE		_		,
							· · · · · · · · · · · · · · · · · · ·				Q	(A Closed:	Date:	
Nork Orde	er:					ı	DISPOSITION			AGAINST D	EP/	ARTMENT/	PROCESS	
Part N	-						Rework Scrap			Skid-tube Crosstube Machining Small Fab		Proc	Water Jet J. Eng. Coor.	Engineering Quality
NCR I	No.		•				Use-as-is Work Order Update		Thern	noforming Finishing Large Fab Composite		Rec/Stor	e/Packaging Supplier	Other
Root					Desc	crip	tion of work order update	Ī	nitial	Action		Sign &		
Cause		Date	Step	Qty		0	r Non-conformance	Ch	ief Eng	Description		Date	Verification	QC Inspector
oc/Data quip/Tooling perator faterial etup ther rocess upplier raining			:											
napproved		·							T CATE	GORY				
Landi	ne G	iear		•			General	701	.i CAIL	OUNT				•
Landi		Bending			, [Bend		Grain	F		Ovalized	[Pressure/Forced
	_	Centre No	ot Concer	itric to i	U/3	_	BOM/Route Broken/Damaged	-	Hardwa	ion Incomplete		Over/Under Part Incorrec		Temperature/Cure Weld
	-	Crucks					Burrs	-	1	tions Incomplete/Unclear	_	art Incomed art Lost/Mi		Wrong Stock Pulled
	Crushed/Crimped Cuffs						Contamination	H	Mainte	· · · · · · · · · · · · · · · · · · ·		art Moved	331116	_ wrong stock railed
	\dashv	Heat Treat	t		ŀ		Countersink	-	Mislabe	<u> </u>		ositioned W	/rong	
	\dashv	Inspection		Tube	}		Cut Too Short		Misread	ļ .	_	ower Loss/		Other
	-	Ripples in			ļ		Drill Holes		Offset	L		,	~ <u>L</u>	
	\Box	Torque W		xtrusio	n		Drawing		Out of	Calibration				
		Turning Se	equence				Finish		Out of s	Sequence				

Outside Dimensions

Wave/Twist in Tube

Folio

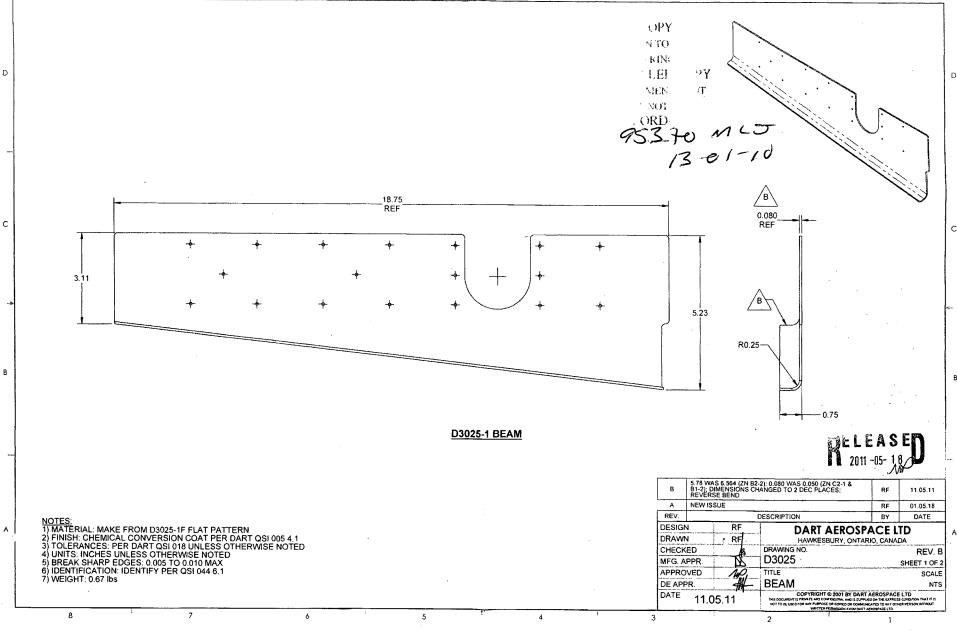
DART AEROSPACE LTD	Work Order:	95370
Description: Beam	Part Number:	D3025-1
	· ·	
Inspection Dwg: D3025 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.098	+0.004/-0.001	0.098"	_		V	1kmus
0.25	+/-0.030	0.255	-	_	V	
5.78	+/-0.030	5,765	_		V	
3.00	+/-0.030	3002	_		1	
2.395	+/-0.010	2.396	_		ν	
1.385	+/-0.010	1,389"			V .	
0.375	+/-0.010	0.378"	-		V	
2.332	+/-0.010	2.337"			V	
4.365	+/-0.010	4.366"			V	
4.68	+/-0.030	4.691"	-		V	
6.92	+/-0.030	6.929"	-		V	
7.235	+/-0.010	7.236"	-		ν	
9.470	+/-0.010	9.476			V	Produtos
10.587	+/-0.010	10.589"	-			
11.705	,+/-0.010	11.705"	_		ν	
13.940	+/-0.010	13.940"	•		T	
15.057	+/-0.010	15.057"	-			
16.175	+/-0.010	16.175"	1		<u> </u>	
18.75	+/-0.030	18.75"	_			
0.080	+/-0.010	D.082*			<i>V</i>	
					·	
					i.	

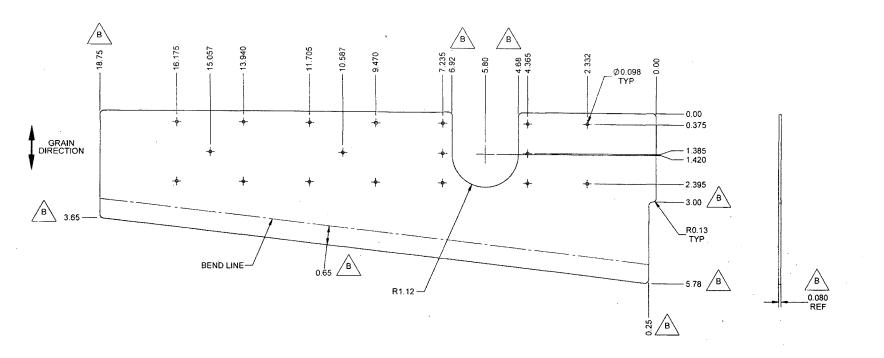
	<u>.</u>		DAS		
Measured by: Tym	Audited by:	SM	15	Preliminary Approval:	
Date: 13-2-7	Date:	13.24	3	Date:	

Rev	Date	Change	Revised by	Approved
Α	05.04.26	New Issue P/O D350-689-013	KJ/JLM J A	111
В	12.07.31	Dimensions updated per Dwg Rev B	KJ PY	
1	J		' 0	



С

2



D3025-1F FLAT PATTERN

RELEASED 2011 -05- 18

NOTES:
1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.080 THICK
PER QQ-A-250/4 OR AMS-QQ-A-250/4
OR AMS 4037
OR ASTM B209
REF DART SPEC M2024T3S.080
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.67 lbs

С

DESIGN	RF,	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANAD.	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	\mathcal{P}	D3025	SHEET 2 OF 2
APPROVED	14	TITLE	SCALE
DE APPR.	#	BEAM	NTS
DATE 11.0	5.11	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PROVING MOCKINGTON THAT IT IS NOT TO BE USED FOR ANY RUPPOCE ON COPIED OR COMMUNICATING TO ANY OTHER PERSON NOTHOUT	